

AERO Design Ltd.
2013 - 39th Ave. NE
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA
TCCA 24-0078
AMF # 73-04

Product: Bear Paw Set (4 Paws, Straps, Hardware) Part #: 64001-01
Approval #: SH05-17 Serial #: N/A
WO #: 2006-04 Quantity: 1
Eligibility: Robinson R44 Work Status: Manufactured
Remarks: _____

I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.

March 19/07
Date

Jeff Clarke
Inspector's Signature

AERO Design Ltd.
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TRANSPORT CANADA
TCCA 24-0078
AMF # 73-04

Product: Bear Paw Set (4 Paws, Straps, Hardware) Part #: 64002-01

Approval #: SH05-17 Serial #: N/A

WO #: 2006-04 Quantity: 1

Eligibility: Robinson R22 Work Status: Manufactured

Remarks: _____

I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.

April 17/06
Date

Jeff Clarke
Inspector's Signature

AERO Design Ltd.
2013 - 39th Ave. NE
Calgary, AB, T2E 6R7

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TCCA 24-0078
AMF # 73-04

Product: Bear Paw Set (4 Paws, Straps, Hardware) Part #: 64002-01

Approval #: SH05-17 Serial #: N/A

WO #: 2006-04 Quantity: 1

Eligibility: Robinson R22 Work Status: Manufactured

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April 17/06
Date

Jeff Clarke
Inspector's Signature

WORK ORDER

Order Date: 29/03/06
D / M / Y

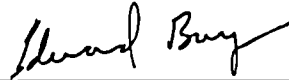
W.O. Number # 2006-04
Current yyyy - 000

Customer Purchase Order: _____

Expected Completion Date: _____

NOTE: A new file must be opened for each work order and a unique sequential number assigned.

This Work Order is part of a set of Incorporated Documents referenced in the Quality Program Manual of AERO Design Ltd. as Process Control Forms. It has been developed in compliance with the quality records requirements of an *Approved Manufacturing Facility* of aeronautical parts and products under CARS PART V Chapter 61, and AWM Advisories 561/1, 2, 3A & 4 effective January 1, 1986.



President, AERO Design Ltd.

A. PREPARATION

1. Type Approval Authority

All work detailed in this Work Order is to be completed in accordance with:

Supplemental Type Certificate: SH05-17 Issue: 2 (Pending)

2. Scope of Work

a) Complete Product

- ☒ Fabrication of ^{Qty} 6 ^{Item} 64010-01 + 6 x 64011-01
_{3 sets} _(3 sets)
- ☐ Traceability: Serial Numbers: From # N/A To # _____
xxx-xxx xxx-xxx
- ☐ Document Serial Numbers in this Work Order Section D - Final Inspection & Sign-Off of Aeronautical Products
- ☐ Record Serial Numbers in Serial Number Control List [Form 010].

OR

b) Component Parts

- ☐ Fabrication of component parts of _____
as detailed in this Work Order Section B - Parts List.
- ☐ Traceability: finished parts will be indelibly marked with this Work Order Number.

Notes: _____

Order Date: 29/03/06
D / M / Y

W.O. Number # 2006-04
Current yyyy - 000

3. Work Order Package Preparation

- ☒ Document Control List for SH05-17 issue 2 (Pending); DCL 640 Rev.1
DCL 640-2, Rev 0
- ☐ Full set of new drawings for complete fabrication.

OR

- ☐ Partial set of new drawings for parts fabrication:
Drawing List: _____

Notes: _____

Order Date: 29/03/06
D / M / Y

W.O. Number # 2006-04
Current yyyy - 000

B. PARTS LIST

- ☒ Complete fabrication: This list may *not* be used as Final Inspection Record.
- ☐ Partial fabrication: This list may be used as Final Inspection Record.

| Qty | Part No. | Description | Materials | Tracking Number PO# for raw stock WO# for finished component parts | Final Inspection (Parts mfg only) Accept (A) Non-Conforming (NC) |
|-------------------------------------------|-----------------|-------------|-------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------|
| | | | | | |
| 7 7 | 64020-01 -02 | PAW | 6061-T6 AL. 1/8" Sheet | 6015/6014 | A * |
| 6 6 | 64025-01 -02 | PAW | " | 6015/6014 | A |
| 7 | 64021-01 | STRAP | 6061-T6 AL 1/4" x 3/4" BAR | 6025 | A |
| B | 64026-01 | STRAP | " | 6025 | A |
| 28 | 64021-02 | FWD SPACER | 6061-T6 AL 1.0 DIA ROD | 941020 | A |
| 28 | 64021-03 | AFT SPACER | " | 941020 | A |
| 24 | 64026-02 | FWD SPACER | " | 941020 | A |
| 24 | 64026-03 | AFT SPACER | " | 941020 | A |
| | | | | | |
| | | | | | |
| ONE SET NOT RELEASED - USED FOR LOAD TEST | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Notes: _____

Order Date: 29/03/06
D / M / Y

W.O. Number # 2006-04
Current yyyy - 000

C. INSPECTION & SIGN-OFF OF COMPONENT PARTS & ASSEMBLIES

1. Inspection of Welded Assemblies

I hereby certify that I have inspected the welding of the aeronautical parts and assemblies specified in this Work Order and have found it to be complete and conforming to the requirements specified in the Work Scope, except where specifically identified and noted as non-conforming.

April 17/06
Date


Welder's Signature

License #

2. Inspection of Component Parts

I hereby certify that I have inspected the aeronautical component parts manufactured under this Work Order and have found them to be in conformity to the Approved Design Data specified within the Work Scope, except where specifically identified and noted as non-conforming.

April 17/06
Date


Inspector's Signature

D. FINAL INSPECTION & SIGN-OFF OF AERONAUTICAL PRODUCTS

| ITEM | SERIAL NUMBER | ACCEPT YES/NO | NON-CONFORMANCES Non-Conformance Report #'s | ADDITIONAL REMARKS |
|------|---------------|------------------|------------------------------------------------|-----------------------|
| 1 | | | | |
| | | | | |
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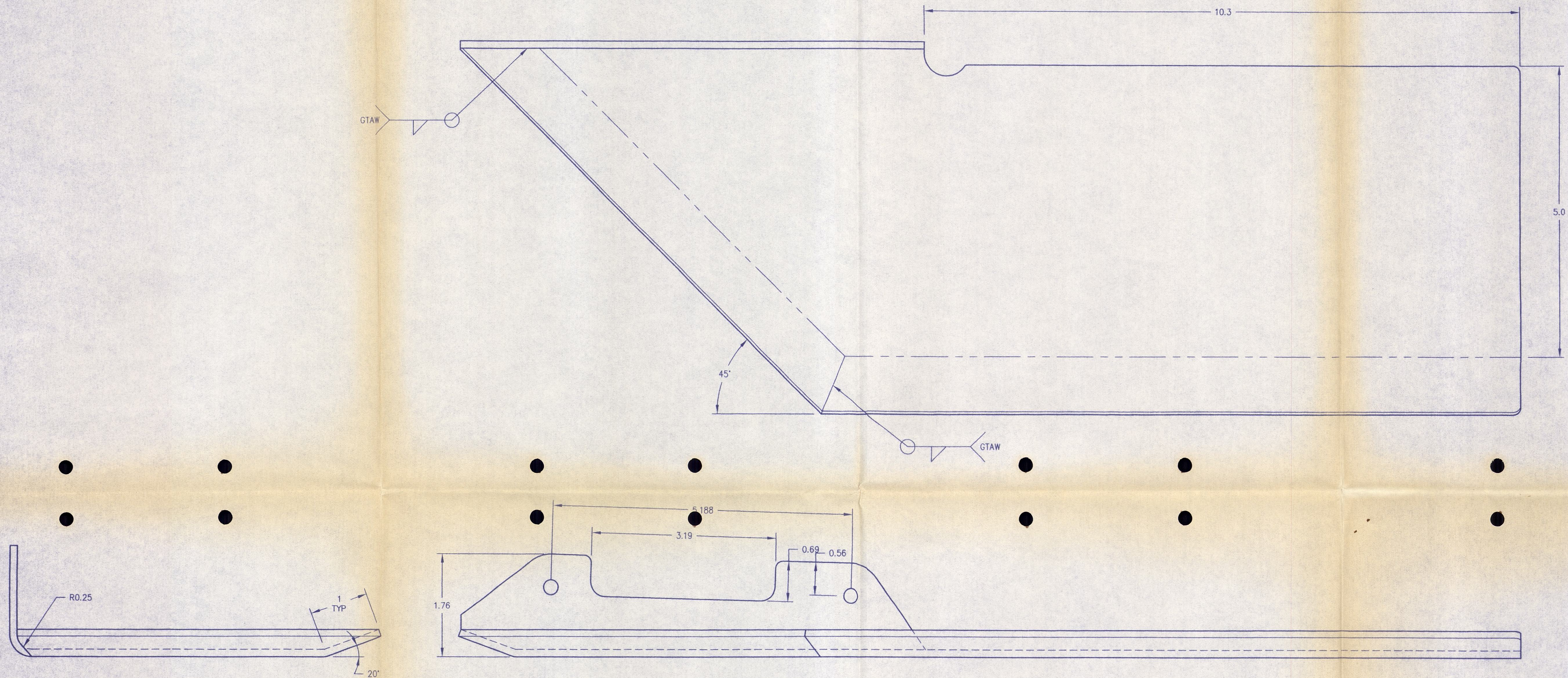
I hereby certify that I have inspected the aeronautical component parts manufactured under this Work Order and have found them to be in conformity to the Approved Design Data specified within the Work Scope, except where specifically identified and noted as non-conforming.

April 17/06
Date


DAR or Inspector's Signature

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-------------------------------------------------|----------|----------|
| 0 | INITIAL ISSUE | | |
| 1 | PARTS CHANGED LEFT AND RIGHT USING SINGLE BLANK | BJC | FEB 7/06 |



01 LEFT PAW
02 RIGHT PAW
LEFT BEND FLANGES UP, RIGHT BEND FLANGES DOWN
USE FLAT PATTERN ON SHEET 2

- NOTES:
1. REMOVE ALL BURRS AND SHARP EDGES.
 2. WELDING OF 6061 ALUMINUM TO BE COMPLETED BY GTAW METHOD TO AMS 2685C. WELDING ROD SHALL CONFORM TO ANSI/AWS ER4043.

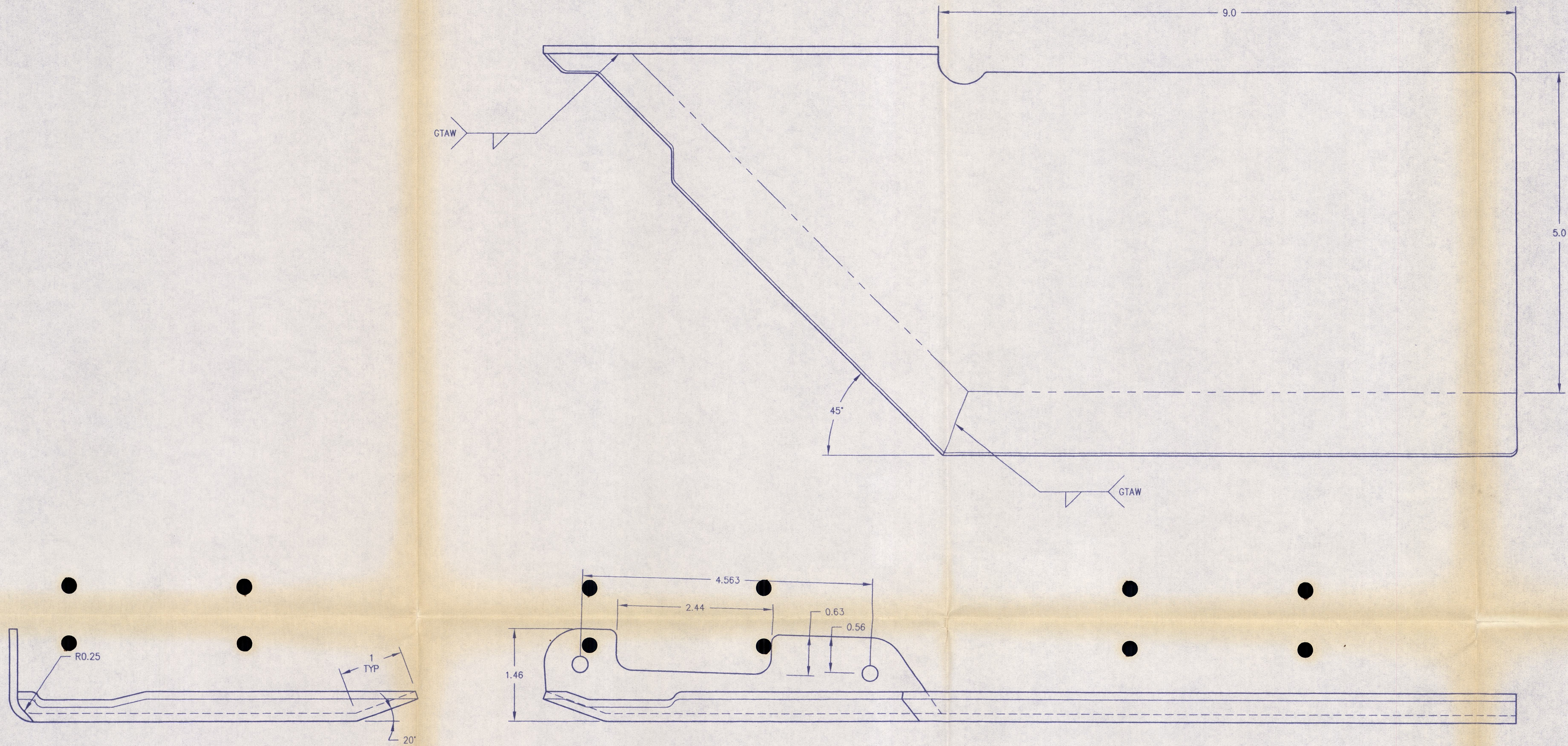
| | | | | | | | |
|----------|--|-------------------|-----------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 64020-02 | | 02 | RIGHT PAW | 6061-T6 ALUMINUM | | QQ-A-250/11 | 0.125" SHEET |
| 64020-01 | | 01 | LEFT PAW | 6061-T6 ALUMINUM | | QQ-A-250/11 | 0.125" SHEET |
| PART NO. | | ITEM | DESCRIPTION | MATERIAL | | MATERIAL SPEC | STOCK SIZE |
| QTY | | LIST OF MATERIALS | | | | | |
| | | | APPROVALS | | DATE | | <div>AERO DESIGN LTD.</div> <div>CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net</div> |
| | | | DRAWN: JEFF CLARKE | | 14 FEB 2005 | | |
| | | | CHECKED: E. BURGAIN | | | | |
| | | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: | | <div>ROBINSON R44</div> <div>BEAR PAWS INSTALLATION</div> <div>PAW FABRICATION</div> | | |
| | | | DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | | | |
| | | | SCALE 1 : 1 | | DWG. SIZE | DWG. NO. | REV. |
| | | | SHEET 1 OF 2 | | A1 | 64020 | 1 |

| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
|------|-------------------------------------|----------|----------|
| 0 | INITIAL ISSUE | | |
| 1 | EXTRA MARKINGS REMOVED FROM DRAWING | BJC | FEB 7/06 |



| | | | | | | | | | | | | | | |
|--------------|-------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|-----------|----------|------|--------------|----|-------|---|
| | 64020-02 | 02 | INBOARD PAW | 6061-T6 ALUMINUM | QQ-A-250/11 | 0.125" SHEET | | | | | | | | |
| | 64020-01 | 01 | OUTBOARD PAW | 6061-T6 ALUMINUM | QQ-A-250/11 | 0.125" SHEET | | | | | | | | |
| | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE | | | | | | | | |
| QTY | LIST OF MATERIALS | | | | | | | | | | | | | |
| | | | APPROVALS | DATE | <div>AERO DESIGN LTD.</div> <div>CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net</div> <div>ROBINSON R44 BEAR PAWS INSTALLATION PAW FABRICATION</div> <table><tr><td>SCALE 1 : 1</td><td>DWG. SIZE</td><td>DWG. NO.</td><td>REV.</td></tr><tr><td>SHEET 2 OF 2</td><td>A1</td><td>64020</td><td>1</td></tr></table> | | SCALE 1 : 1 | DWG. SIZE | DWG. NO. | REV. | SHEET 2 OF 2 | A1 | 64020 | 1 |
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| SHEET 2 OF 2 | A1 | 64020 | 1 | | | | | | | | | | | |
| | | | DRAWN: JEFF CLARKE | 14 FEB 2005 | | | | | | | | | | |
| | | | CHECKED: E. BURGOIN | | | | | | | | | | | |
| | | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | | | | | | | | | | |

| | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|--|----------|
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| REV. | DESCRIPTION OF CHANGE | | | INITIALS |
| 0 | INITIAL ISSUE | | | DATE |



01 LEFT PAW
02 RIGHT PAW

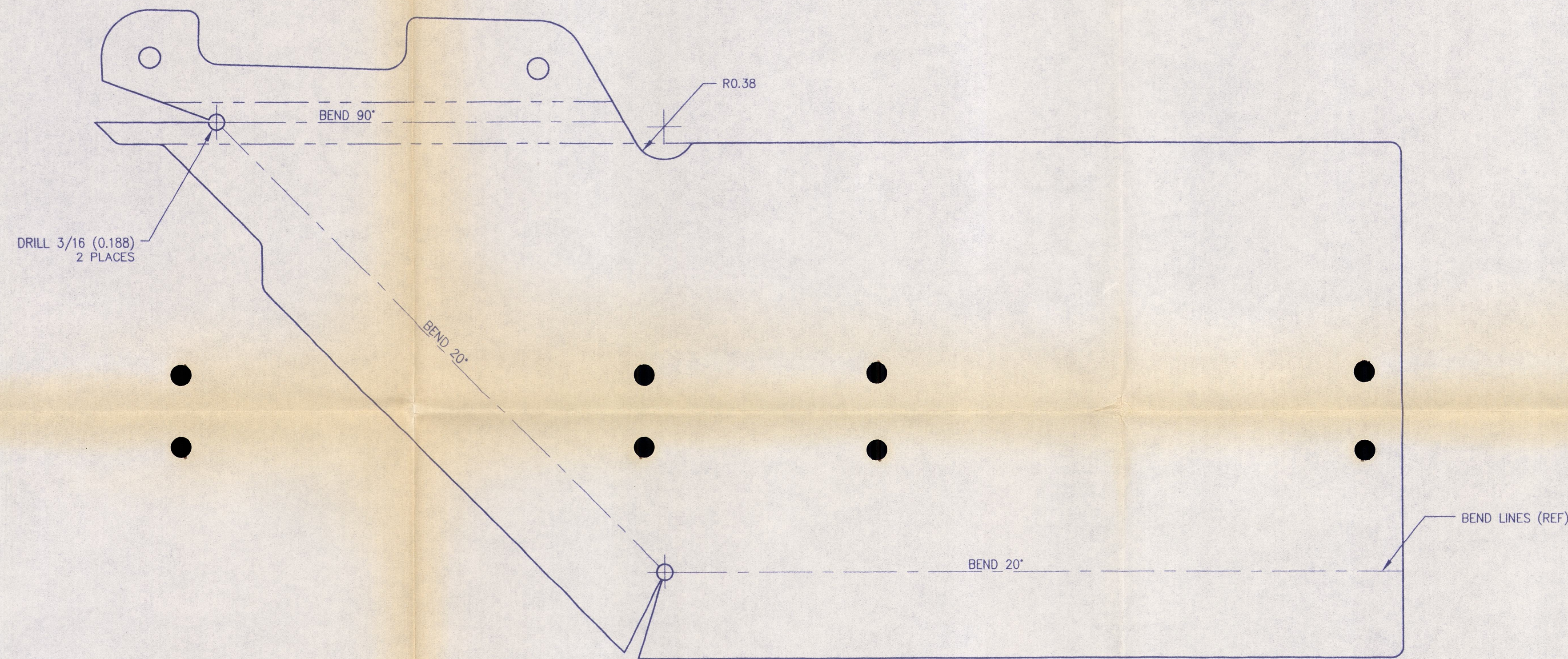
LEFT BEND FLANGES UP, RIGHT BEND FLANGES DOWN
LEFT PAW SHOWN
USE FLAT PATTERN ON SHEET 2

NOTES:

- REMOVE ALL BURRS AND SHARP EDGES.
- WELDING OF 6061 ALUMINUM TO BE COMPLETED BY GTAW METHOD TO AMS 2685C. WELDING ROD SHALL CONFORM TO ANSI/AWS ER4043.

| | | | | | |
|---------------------------------------------------------------------------|------|-------------|-----------------------------------------------------------|---------------|--------------|
| 64025-02 | 02 | RIGHT PAW | 6061-T6 ALUMINUM | QQ-A-250/11 | 0.125" SHEET |
| 64025-01 | 01 | LEFT PAW | 6061-T6 ALUMINUM | QQ-A-250/11 | 0.125" SHEET |
| PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | | | | | |
| LIST OF MATERIALS | | | | | |
| APPROVALS | | | DATE | | |
| DRAWN: JEFF CLARKE | | | 12 MAY 2005 | | |
| CHECKED: E. BURGAIN | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: | | | ROBINSON R22 BEAR PAWS INSTALLATION PAW FABRICATION | | |
| DECIMALS | | | ANGLES | | |
| X.XXX ±0.010 | | | ±1/2° | | |
| X.XX ±0.03 | | | | | |
| X.X ±0.1 | | | | | |
| SCALE 1 : 1 | | | DWG. SIZE | DWG. NO. | REV. |
| SHEET 1 OF 2 | | | A1 | 64025 | 0 |

| | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--|--|----------|
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| REV. | DESCRIPTION OF CHANGE | | | INITIALS |
| 0 | INITIAL ISSUE | | | DATE |



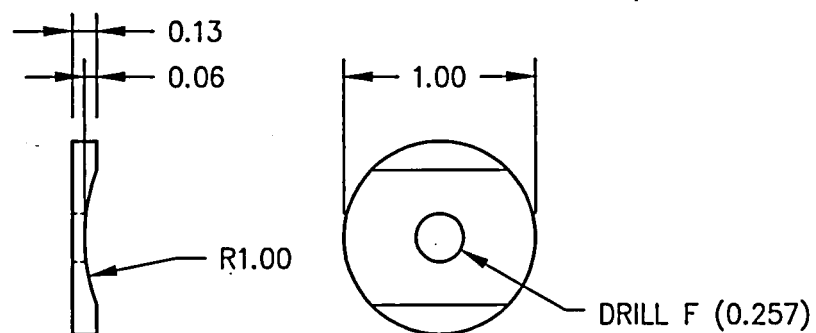
FLAT PATTERN
USE DRAWING AS TEMPLATE FOR FABRICATION

| | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------|-------------------|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| 64020-02 | 02 | INBOARD PAW | 6061-T6 ALUMINUM | QQ-A-250/11 | 0.125" SHEET | |
| 64020-01 | 01 | OUTBOARD PAW | 6061-T6 ALUMINUM | QQ-A-250/11 | 0.125" SHEET | |
| PART NO. | | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | LIST OF MATERIALS | | | | | |
| APPROVALS | | | DATE | <div>AERO DESIGN LTD.</div> <div>CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 aerodesign@telusplanet.net</div> | | |
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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: | | | <div>ROBINSON R22</div> <div>BEAR PAWS INSTALLATION</div> <div>PAW FABRICATION</div> | | | |
| DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | | | | | |
| SCALE 1 : 1 | | | DWG. SIZE | DWG. NO. | REV. | |
| SHEET 2 OF 2 | | | A1 | 64025 | 0 | |

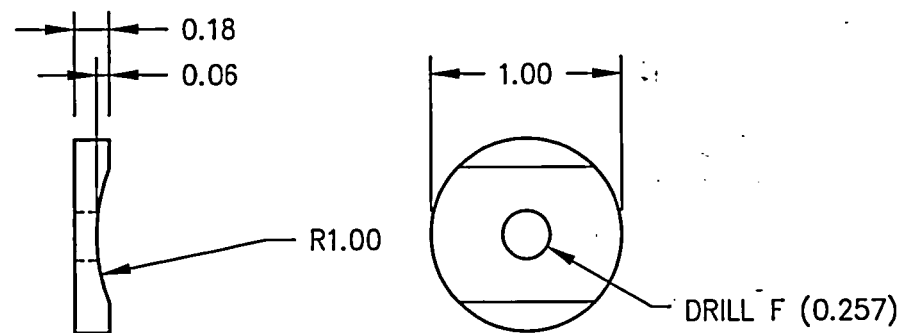
hi

R22

hi

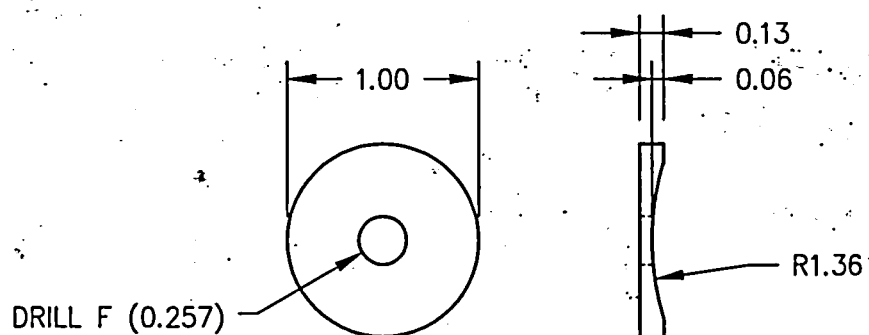


(02) FWD SPACER

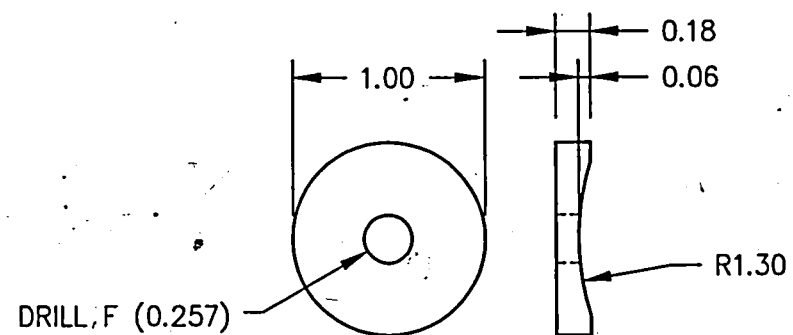


(03) AFT SPACER

R44

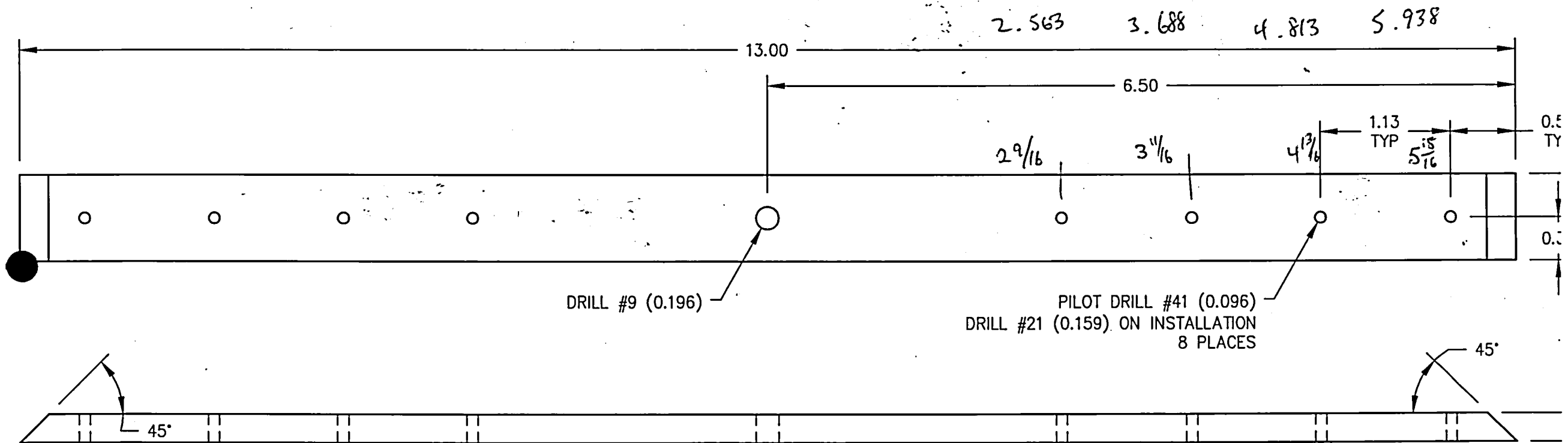


(02) FWD SPACER



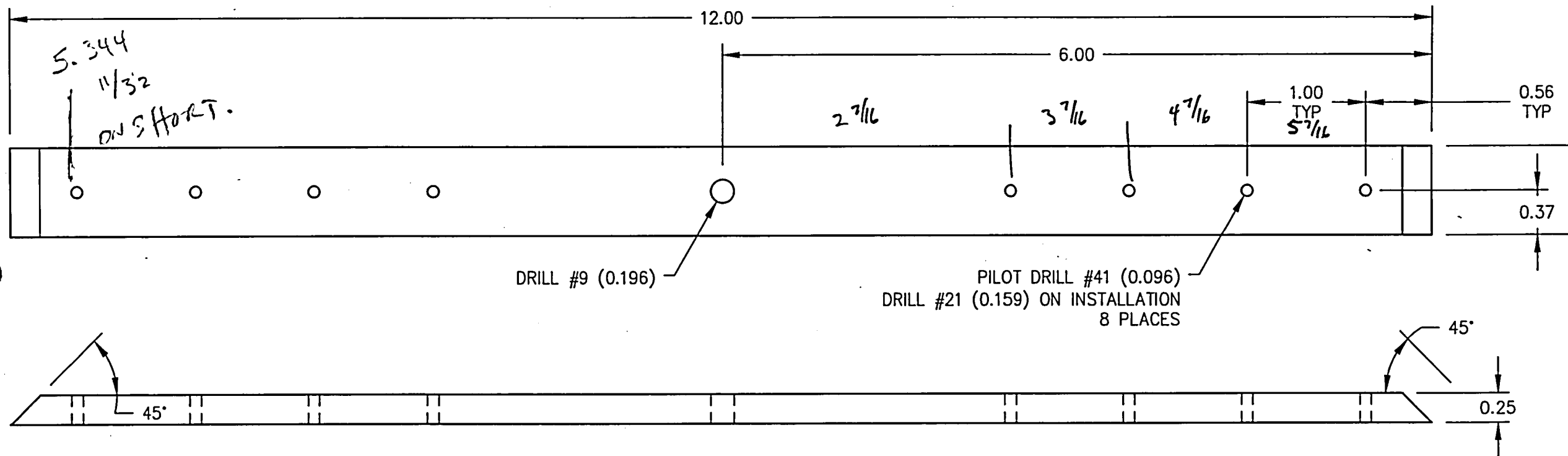
(03) AFT SPACER

R44 x12



01 STRAP

1222 x 6



01 STRAP